MATHEMATICS OF THE USSR—IZVESTIYA

Том 52, №№ 1–3, 1988

Volume 32, Numbers 1–3 Pages 1–670

## Volume Index of Authors

**Anosov, D. V.** On the behavior in the Euclidean or Lobachevsky plane of trajectories that cover trajectories of flows on closed surfaces. II ..... 449

**Artamkin, I. V.** On deformation of sheaves ..... 663

**Beloshapka, V. K.** Finite-dimensionality of the group of automorphisms of a real-analytic surface ..... 443

**Bogoyavlenskiĭ, O. I.** The Lax representation with a spectral parameter for certain dynamical systems ..... 245

**Cheremshantsev, S. E.** Expansion in eigenfunctions of a nonselfadjoint operator with purely continuous spectrum ..... 113

**Dolbilin, N. P., Shtan'ko, M. A., and Shtogrin, M. I.** The problem of parametrization of cycles modulo 2 in a three-dimensional cubic lattice ..... 359

**Dranishnikov, A. N.** On free actions of zero-dimensional compact groups .... 217

**Dubrovin, B. A. and Natanzon, S. M.** Real theta-function solutions of the Kadomtsev-Petviashvili equation ..... 269

**Fomenko, A. T. and Kh. Tsishang [H. Zieschang]** On typical topological properties of integrable Hamiltonian systems ..... 385

**Gorodentsev, A. L.** Transformations of exceptional bundles on $\mathbf{P}^n$ ..... 1

**Kapranov, M. M.** On the derived category and $K$-functor of coherent sheaves on intersections of quadrics ..... 191

**Kazaryan, K. S.** Weighted inequalities for families of operators generated by truncated Cesàro kernels ..... 289

**Kiselëva, L. V.** On the number of zeros of the function $\zeta(s)$ on "almost all" short intervals of the critical line ..... 475

**Kolyvagin, V. A.** Finiteness of $E(\mathbf{Q})$ and $Ш(E, \mathbf{Q})$ for a subclass of Weil curves 523

**Kozhukhov, S. F.** Finite automorphism groups of torsion-free abelian groups of finite rank ..... 501

**Kruzhilin, N. G.** Holomorphic automorphisms of hyperbolic Reinhardt domains ..... 15

**Kuksin, S. B.** Perturbation of quasiperiodic solutions of infinite-dimensional Hamiltonian systems ..... 39

**Le Khong Van,** Minimal surfaces in homogeneous spaces ..... 413

**Levendorskiĭ, S. Z.** On the symbols of degenerate elliptic differential and hypoelliptic pseudodifferential operators ..... 543
**Lyubarskiĭ, Yu. I.** Exponential series in Smirnov spaces and interpolation by entire functions of special classes ..... 563
**Medvedev, Yu. A.** Representations of finitely generated Jordan PI-algebras ... 63
**Merkur'ev, A. S.** The group $SK_2$ for quaternion algebras ..... 313
**Mints, G. E.** A normal form theorem for second-order classical logic with an axiom of choice ..... 587
**Nosovskiĭ, G. V.** Estimates of the derivatives, with respect to the initial data, of the expectation of a solution of a stochastic equation on a manifold.. 167
**Osipenko, K. Yu.** On best and optimal quadrature formulas on classes of bounded analytic functions..... 77
**Panchishkin, A. A.** Non-Archimedean Rankin $L$-functions and their functional equations..... 339
**Panyukov, V. V.** Irreducible representations of completely solvable Lie algebras of positive characteristic ..... 607
**Pinchuk, S. I. and Chirka, E. M.** On the reflection principle for analytic sets . 205
**Pukhlikov, A. V.** Birational automorphisms of a double space and double quadric..... 233
**Rudakov, A. N.** The Markov numbers and exceptional bundles on $\mathbf{P}^2$ ..... 99
**Talalyan, A. A.** On some uniqueness properties of multiple trigonometric series and harmonic functions..... 627
**Tumanov, A. E.** Finite-dimensionality of the group of CR automorphisms of a standard CR manifold, and proper holomorphic mappings of Siegel domains ..... 655
**Voronin, S. M.** On $\Omega$-theorems in the theory of the Riemann zeta-function .. 429
**Yafaev, D. R.** Quasiclassical asymptotics of the scattering cross-section for the Schrödinger equation ..... 141

ABCDEFGHIJ — 89